### **MEMORANDUM**

To: Board of Regents

From: Board Office

**Subject:** Preliminary Review of Iowa State University's Strategic Plan Progress Report

Date: November 4, 2002

# Recommended Actions:

1. Receive the progress report.

- 2. Receive, for preliminary review, a request to change ISU Performance Indicator #29 from "Private Gift Income" to "Dollars raised on behalf of Iowa State University by the Iowa State University Foundation."
- Receive, for preliminary review, a request to change ISU Performance Indicator #30 from "Alumni Giving Rate" to "Percentage of living alumni who made gifts to the Iowa State University Foundation to support Iowa State University."

# Executive Summary:

lowa State University has completed the second year of its 2000-2005 Strategic Plan, *Pursuing Excellence as Iowa's Engaged Land-Grant University*. Three overriding goals direct the University's aspiration of becoming the best university in the nation in fulfilling its land-grant mission:

- (1) Learning: Enhance learning through exceptional learner-centered teaching, services, and enrichment opportunities;
- (2) Discovery: Promote discovery and innovation characterized by preeminent scholarship, including those that are increasingly interdisciplinary and collaborative; and
- (3) Engagement: Engage with key constituents through synergistic sharing and partnership of knowledge and expertise in addressing needs of communities and society.

### Progress on Strategic Plan Goals

Attachment A, pages 8-23, reports the progress on the Strategic Plan goals as measured by the University's institutional performance indicators. The Board of Regents Performance Indicators, which relate directly to the University's Strategic Plan, are also listed by related Action Step of the Board's Strategic Plan.

### Progress Report Highlights

Attachment B, pages 24-34, describes the progress made during the past reporting year and selected highlights for each of the three overriding Strategic Plan goals. The impact of the significant reduction in the University's budget is also described.

### Progress Measures Categorized

The Analysis section of this memorandum categorizes the progress measures of the University's Strategic Plan goals. These measures, the University's institutional performance indicators and the related Board of Regents Performance Indicators, are categorized into those indicators in which progress was made (increases/advances) from the previous reporting year and those in which progress was not made (decreases/declines).

### **Strategic Plan:**

The tripartite mission and functions of Iowa State University as a research land-grant university are strongly reinforced in the University's Strategic Plan and are consistent with the Board's expectations. The University's Strategic Plan performance indicators and benchmark measures are consistent with the Board of Regents Strategic Plan and Key Result Areas – Quality, Access, Diversity, and Accountability.

### Background:

Strategic Plan

Iowa State University's 2000-2005 Strategic Plan, *Pursuing Excellence as Iowa's Engaged Land-Grant University*, was presented to the Board in November 2000; the Board approved the Strategic Plan in December 2000. The performance indicators used to measure progress on the Strategic Plan goals are organized around the following areas:

### Performance Indicators

- Enrollment
- Retention, Graduation, and Career Placement Rates
- Student Achievement and Satisfaction
- Advancement in Information Science and Technology
- Faculty/Staff Characteristics and Competitiveness
- State Appropriation Level
- Sponsored Funding
- Academic Program Characteristics
- Responsive Engagement
- Institutional Support Services and Infrastructure
- Private Giving
- Constituent Relations

### Benchmark Measures

In addition, benchmark measures on competitiveness with peer institutions were also presented. The benchmark measures are organized into two broad categories: input and output benchmark measures. Both the performance indicators and the benchmark measures are consistent with and linked to the Board of Regents Performance Indicators.

# Aspiration Statement

To become the nation's premier land grant institution.

### Core Values Statement

All members of the Iowa State University community are called upon to act in harmony with the following core values:

- Land-grant values
- Excellence
- Quest for knowledge
- Shared leadership
- Integrity

- Commitment
- Collaboration
- Mutual respect
- Inclusiveness
- Global perspective

### Culture Statement

Through the Iowa State University culture:

- We demonstrate our commitment to the land-grant values, and our connectedness to the land and the citizens of our state. We demonstrate our sensitivity and responsiveness to the needs of our state, the nation, and the world.
- We value, embrace, and reflect human and intellectual diversity, inclusivity, and dignity in the environments we create, nurture, or influence to fulfill our mission and realize our aspiration.
- We safeguard academic freedom we nurture an environment that encourages critical thinking, free inquiry, open communication, collaboration, and lifelong learning.
- We empower all of our constituent interests in endeavoring to become the best, and welcome the expected accountability to ourselves, our stakeholders, our Board of Regents, and the public.
- We recognize shared responsibilities among our various constituencies and benefit from shared decision-making and governance.
- We draw from our state a strong work ethic and we demonstrate prudence in resource allocation.
- We constantly develop and implement best ideas and best practices, in support of our collective aspiration.
- We recognize individual and collective contributions and the role each one of us play in our journey together.

### **Analysis:**

Request Change in Institutional Indicators lowa State University is requesting to change the language of two institutional performance indicators to recognize the independent relationship between the University and the lowa State University Foundation. The current language and the proposed new language for each indicator follow:

Indicator #29

Current language: "Private Gift Income"

Proposed new language: "Dollars raised on behalf of lowa State University by the lowa State University Foundation"

Indicator #30

Current language: "Alumni Giving Rate"

Proposed new language: "Percentage of living alumni who made gifts to the Iowa State University Foundation to support Iowa State University"

### Performance Indicator Changes

This section categorizes changes, by increases/advances and by decreases/declines, in selected University institutional performance indicators and Board of Regents Performance Indicators, which relate directly to the University's Strategic Plan. Not all indicators are reported, including those in which no target is reported and those in which there was no change. A complete listing of the University's institutional indicators and the Board of Regents Performance Indicators, which relate directly to the University's Strategic Plan, is found in Attachment A, pages 8-23.

As noted in the following tables, in many cases two indicator numbers are listed, the University's institutional performance indicator (ISU) number and the Board of Regents Performance Indicator (BOR) number. Reporting periods vary for some indicators (e.g., by academic year, by fiscal year, and by calendar year). Unless otherwise indicated, the reporting periods are FY01 and FY02. The 2005 goals (targets) are included if provided.

Increases/ Advances

	_		1	,
Indicator	Indicator Description	FY01	FY02	05 Goal
				(Target)
ISU 2	Six-year undergraduate	63.7%	65.3%	70.0%
BOR 42	graduation rate (All	(1995	(1996	
	students)	cohort)	cohort)	
ISU 4	# of undergraduate students	2,103	2,139	2,500
	enrolled in learning	(2001)	(2002)	•
	communities during the	, ,	,	
	academic year			
ISU 6	Level of academic challenge	46.9	49.7	54.0
	(National Survey on Student	(1 <sup>st</sup> year)	(1 <sup>st</sup> year)	(1 <sup>st</sup> year)
	Engagement – NSSE)	48.6	50.5	56.0
	*based on 100 pt. scale	(Seniors)	(Seniors)	(Seniors)
	·	(2000)	(2001)	
ISU 8	Enriching educational exper.	47.0	53.8	59.0
	(National Survey on Student	(1 <sup>st</sup> year)	(1 <sup>st</sup> year	(1 <sup>st</sup> year)
	Engagement – NSSE)	(2000)	(2001)	
	*based on 100 pt. scale			
ISU 10	% of undergraduate student	58.1%	60.1%	70.0%
BOR 1	credit hours taught by	(Fall 00)	(Fall 01)	
	tenured or tenure-eligible			
	faculty			
ISU 11	% of students who are part	7.0%	7.3%	8.5%
BOR 41	of an ethnic minority group	(2001)	(2002)	

Increases/ Advances (cont'd)

F-				
ISU 12	% of tenured and tenure-	13.8%	14.7%	15.0%
BOR 41	eligible faculty who are part	(2000)	(2001)	
	of an ethnic minority group			
ISU 13	% of staff members who are	7.7%	7.9%	10.0%
BOR 41	part of an ethnic minority	(2000)	(2001)	
	group		, ,	
ISU 14	% of tenured and tenure-	25.3%	25.9%	30.0%
	eligible faculty who are	(2000)	(2001)	
	female			
ISU 19	% of tenured/tenure-eligible	83.2%	83.7%	90.0%
BOR 17	faculty with at least one	(00-01)	(01-02)	
	scholarly work published,			
	exhibited, or performed in			
	the last three years			
ISU 21	Total annual external	\$217.7M	\$225.4M	\$250.0M
BOR 18	sponsored funding			
ISU 22	External sponsored funding	\$158,097	\$166,767	\$200,000
BOR 21	per FTE faculty			
ISU 24	# of new technologies	33	37	50
BOR 23	licensed/optioned annually			
ISU 25	# of licenses and options	216	297	250
	executed			
ISU 26	Number of extension clients	657,316	665,354	800,000
BOR 29	served			
Indicator	Indicator Description	FY01	FY02	05 Goal
				(Target)
ISU 27	Distance and continuing	5,050	5,298	5,950
BOR 28	education - credit course			
	registrations (does not			
	include Saturday/evening			
	enrollments)			
ISU 30	Percentage of living alumni	11.7%	13.7%	20.0%
	who made gifts to the lowa			
	State University Foundation			
	to accompant lacco Ctata	1		1
	to support Iowa State			
	University <sup>1</sup>			

Decreases/ Declines

Indicator	Indicator Description	FY01	FY02	05 Goal
				(Target)
ISU 1	One-year undergraduate	83.7%	83.4%	90.0%
BOR 42	persistence rate	(AII)	(AII)	(All)
	•	85.5%	82.9%	90.0%
		(Minority)	(Minority)	(Minority)
		(2000)	(2001)	

<sup>&</sup>lt;sup>1</sup> Proposed new language, subject to Board approval. ISU is requesting to change institutional performance indicator #30 from "Alumni Giving Rate" to "Percentage of living alumni who made gifts to the lowa State University Foundation to support Iowa State University."

Decreases/ Declines (cont'd)

Six-year undergraduate	49.2%	48.2%	70.0%
` `	`	`	
,			
9	4.4%	3.5%	5.0%
students who participated in	(AY01)	(AY02)	
a study abroad experience			
during the academic year			
% of student credit hours	2.1%	2.0%	2.3%
earned by undergraduate			
students who participated in			
practicum/internships that			
earn academic credit			
Active collaborative learning			40.0
(National Survey on Student	(1 <sup>st</sup> year)		(1 <sup>st</sup> year)
	51.2	45.5	48.0
*based on 100 pt. scale	` ,	` ,	(Seniors)
			49.0
	, ,	` ,	(Seniors)
	(2000)	(2001)	
			40
0	442,121	419,378	512,000
education – non-credit			
course registrations			
Dollars raised on behalf of	\$70.1M	\$66.0M	\$100.0M
Iowa State University by the			
Iowa State University			
Foundation <sup>2</sup>			
Index of average faculty	0.98	0.97	1.00
salaries compared to peer			
land grant universities (All			
ranks)			
	graduation rate (Minority students) % of all undergraduate students who participated in a study abroad experience during the academic year % of student credit hours earned by undergraduate students who participated in practicum/internships that earn academic credit Active collaborative learning (National Survey on Student Engagement – NSSE) *based on 100 pt. scale  Enriching educational exper. (National Survey on Student Engagement – NSSE) *based on 100 pt. scale  Enriching educational exper. (National Survey on Student Engagement – NSSE) *based on 100 pt. scale  New patent applications filed Distance and continuing education – non-credit course registrations  Dollars raised on behalf of lowa State University by the lowa State University by the lowa State University Foundation <sup>2</sup> Index of average faculty salaries compared to peer land grant universities (All	graduation rate (Minority students)  % of all undergraduate students who participated in a study abroad experience during the academic year % of student credit hours earned by undergraduate students who participated in practicum/internships that earn academic credit Active collaborative learning (National Survey on Student Engagement – NSSE) *based on 100 pt. scale  Enriching educational exper. (National Survey on Student Engagement – NSSE) *based on 100 pt. scale  New patent applications filed Distance and continuing education – non-credit course registrations  Dollars raised on behalf of lowa State University by the lowa State University Foundation <sup>2</sup> Index of average faculty salaries compared to peer land grant universities (All	graduation rate (Minority students)  % of all undergraduate students who participated in a study abroad experience during the academic year  % of student credit hours earned by undergraduate students who participated in practicum/internships that earn academic credit  Active collaborative learning (National Survey on Student Engagement – NSSE)  *based on 100 pt. scale  Enriching educational exper. (National Survey on Student Engagement – NSSE)  *based on 100 pt. scale  Enriching educational exper. (National Survey on Student Engagement – NSSE)  *based on 100 pt. scale  New patent applications filed  Distance and continuing education – non-credit course registrations  Dollars raised on behalf of lowa State University by the lowa State University Foundation <sup>2</sup> Index of average faculty salaries compared to peer land grant universities (All

# Performance Indicators:

A complete report of the Board of Regents Performance Indicators, including charts and tables, will be presented in the Annual Report on Performance Indicators in January 2003.

<sup>&</sup>lt;sup>2</sup> Proposed new language, subject to Board approval. ISU is requesting to change institutional performance indicator #29 from "Private Gift Income" to "Dollars raised on behalf of Iowa State University by the Iowa State University Foundation."

### **Conclusion**:

Budget reduction impacts

The 2001-2002 Strategic Plan Progress Report (Attachment B, pages 24-34) stated that the State's financial problems resulted in significant reductions in the University's state appropriation and slowed progress in FY 2002. New tuition revenue was not sufficient to offset the unprecedented reduction in State support for higher education. As a result, the University was forced to reduce unit budgets throughout the University, eliminate offices, eliminate or combine positions, eliminate degree programs, offer fewer courses, increase class sizes and student to faculty ratios, cut funds for faculty and staff professional development, increase fees for Extension clients, reduce funds for building repairs and maintenance, and reduce research and other activities that foster economic development in lowa.

While Iowa State University has worked hard to continue improving quality amid unprecedented budget cuts, the University reports these efforts cannot be sustained without rebuilding revenues.

William R. Nelson

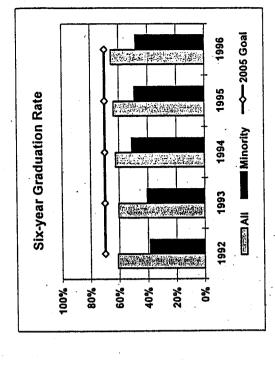
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ISU Performance Indicators: 2000-2005 Strategic Plan

	One-year Persistence	1997 1998 1999 2000 2001
		100% 80% 70% 70% 80% 80% 90% 90%
		2001 83.3% 84.9% 79.8% 83.7% 82.9% 90.0%
		2000 40.0% 85.6% 92.0% 83.5% 83.6% 85.5% 90.0%
	stence rate.	1999 75.0% 80.7% 89.5% 85.3% 85.2% 83.9% 90.0%
	persistend	1998 80.0% 82.7% 87.7% 81.1% 84.6% 83.9% 90.0%
ndicator	rgraduate	1997 54.5% 79.5% 89.9% 80.4% 83.9% 83.6% 90.0%
BOR # MGT #   ISU# Performance Indicator	One-year undergraduate persi	Entry year Native Am African Am Asian Am Hispanic White All Minority 2005 Goal
	~	
MGT #	24	
BOR #	3.1.2.3	



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Entry year	1992	1993	1994	1995	1996
Native Am	40.0%	28.6%	71.4%	20.0%	42.9%
African Am	27.3%	33.5%	34.0%	43.5%	40.0%
Asian Am	56.4%	53.4%	72.0%	64.1%	61.0%
Hispanic	36.5%	55.4%	20.9%	35.6%	45.0%
White	62.7%	62.7%	63.1%	64.7%	66.5%
All	61.1%	60.4%	62.4%	63.7%	65.3%
Minority	38.6%	40.7%	51.3%	49.2%	48.2%
2005 Goal	<b>%0.0</b> 2	%0.02	%0.02	<b>%0</b> .0 <i>L</i>	70.0%

ISU Performance Indicators: 2000-2005 Strategic Plan

BOR # MGT # ISU# Performance Indicator

3 Percent of all undergraduate students who participated in a study	strong experience during the academic year		
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Participation in Study Abroad

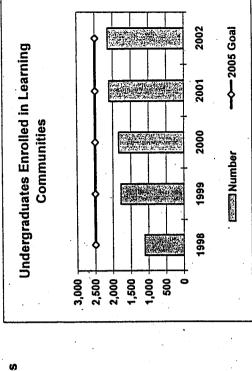
10%

**%**8

%9

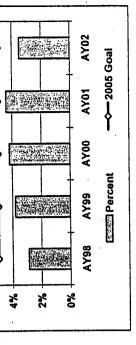
abroad experience during the academic year	rience durin	g tne acad	emic year.		
	AY98	AY99	AY00	AY01	AY02
Number	602	802	868	962	/6/
Percent	2.9%	3.8%	4.2%	4.4%	3.5%
2005 Goal	2%	2%	2%	2%	2%





4 Number of undergraduate students enrolled in learning communities during the academic year.

•	1998	1999	2000	2001	2002
Number	1,114	1,779	1,838	2,103	2,139
2005 Goal	2,500	2,500	2,500	2,500	2,500



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10	Percent of student credit hours (SCH) earned by undergraduate stud who participated in practicum/internships that earn academic credit.	ent credit d in practi	hours (SC	H) earned nships tha	by underg it earn aca	Percent of student credit hours (SCH) earned by undergraduate students who participated in practicum/internships that earn academic credit.	1
	(excludes Veterinary Medicine)	iry Medicine					
	•	FY98	FY99	FY00	FY01	. FY02	
	SCH	11,880	12,279	12,245	13,480	13,252	
	Percent	2.0%	2.0%	2.0%	2.1%	2.0%	
	2005 Goal	2.3%	2.3%	2.3%	2.3%	2.3%	
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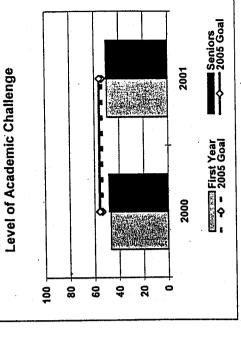
	FY02
ranicipation in Fracticums and Internships	FY01 FY
Internships	FY00
Inter	FY99
ranna	FY98
3.5%	3.0% 2.5% 1.5% 1.0% 0.05%

(based on 100 point scale)
49.7 54.0

50.5 56.0

48.6 56.0

Seniors 2005 Goal



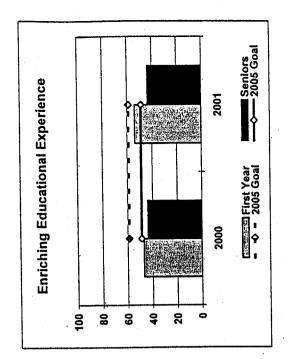
**Active Collaborative Learning** 

100

8 9 40

ISU Performance Indicators: 2000-2005 Strategic Plan

	Indicator	
	Performance	
	ISU#	
•	MGT #	
	BOR #	



Seniors 2005 Goal

First Year

2001

2000

20

 Enriching ed	ucational ex	Enriching educational experience - NSS
(based on 100 point scale)	point scale)	
•	2000	2001
First Year	47.0	53.8
2005 Goal	29.0	59.0
Seniors 2005 Goal	43.9	43.6

<b></b>	Enriching educational experience -	NSSE
	(based on 100 point scale)	

2001 53.8 59.0	43.6
2000 47.0 59.0	43.9
First Year 2005 Goal	Seniors 2005 Goal

ISU Performance Indicators: 2000-2005 Strategic Plan

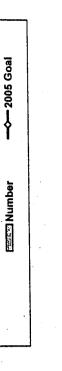
BOR # MGT # ISU# Performance Indicator

·		
	9 Number of FTE students per FTE tenured/tenure-eligible faculty member.	

O	Number of FTE students per FTE tenured/tenure-eligible faculty mer	E students	per FTE te	enured/ten	ure-eligible	faculty men
		1998	1999	2000	2001	2002
	Number	16.7	17.2	17.7	18.7	A
	2005 Goal	17.0	17.0	17.0	17.0	17.0

Number of FTE Students per FTE Tenure/Tenure Eligible Faculty

24.0 20.0 16.0 12.0 8.0 4.0



2002

2001

2000

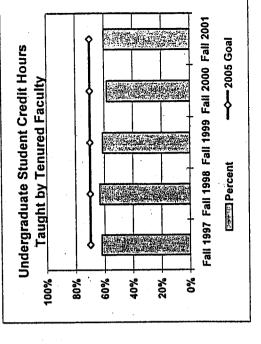
1999

1998

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10 Percent of undergraduate student credit hours taught by tenured or tenure eligible faculty.

		•			
	Fall 1997	Fall 1998		Fall 2000	Fall 200
Percent	62.1%	63.2%	61.2%	58.1%	60.1%
2005 Goal	%0.02	%0.02		%0.02	%0.07

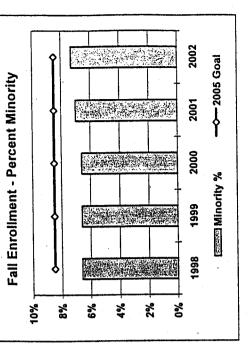


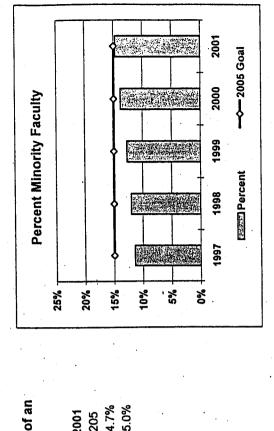
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7	Percent of students who are part of an ethnic minority group.	dents who	are part o	f an ethnic	minority g	group.
	Minority FTE Minority % 2005 Goal	1998 1,687 6.6% 8.5%	1999 1,730 6.6% 8.5%	2000 1,781 6.6% 8.5%	2001 1,943 7.0% 8.5%	2002 2,039 7.3% 8.5%
_						





part o	
who are	
e faculty	
Percent of tenured and tenure eligible faculty who are part of ethnic minority group.	
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Percent of tenured and (ethnic minority group.	
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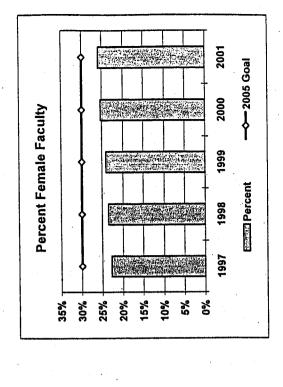
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3.1.2.3

	1997	1998	1999	2000	. 20
Number	162	172	181	196	7
Percent	11.4%	12.0%	12.7%	13.8%	4.
2005 Goal	15.0%	15.0%	15.0%	15.0%	15

ISU Performance Indicators: 2000-2005 Strategic Plan

1		
		2001 Goal
	Staff	2000 20 2005 Goal
	Percent Minority Staff	986
	Percent	1998 + 1998
	,	1997
		14% 12% 10% 10% 8 % 8 % 6 % 7 % 0 %
	part of an ethnic minority group.	2001 184 7.9% 10.0%
	thnic min	2000 176 7.7% 10.0%
	art of an e	1999 178 7.9% 10.0%
	who are p	1998 163 7.5% 10.0%
Indicator	iff members	1997 172 8.1% 10.0%
ISU# Performance Indicator	13 Percent of staff members who are	Number Percent 2005 Goal
#NSI	5	
BOR # MGT #	4	
BOR #	3.1.2.3	



14 Percent of tenured and tenure eligible faculty who are female.	enured and to	anure eligi	ble faculty	who are fe	emale.
	1997	1998	1999	2000	2001
Number	325	338	343	361	361
Percent	. 22.8%	23.5%	24.1%	25.3%	25.9%
2005 Goal	30.0%	30.0%	30.0%	30.0%	30.0%

ISU Performance Indicators: 2000-2005 Strategic Plan

BOR # MGT # ISU# Performance Indicator

Number of academic programs ranked in the top 25 by national disciplinary surveys. 15

FY02

Number 2005 Goal

to be determined

In process: not to be reported for FY02

Number of faculty in national academies (National Academy of Sciences, National Academy of Engineering, Institute of Medicine, American Academy of Arts and Sciences). 16

FY02

Number 2005 Goal

to be determined

ISU Performance Indicators: 2000-2005 Strategic Plan

BOR # MGT # ISU# Performance Indicator

Number of faculty members who are fellows of national and international scientific/disciplinary associations.

Number in parentheses is the number of national or international societies.

FY02

Number 185

185 (254)

2005 Goal to be determined

Number of faculty: (a) journal editors, (b) on editorial or advisory boards of national/international professional journals, and (c) holding offices in national/international professional 78

associations, and/or serving on national academy committees\*. Number in parentheses is the number of professional journals and editorial/advisory boards

FY02

50 (60)

a. Journal Editors

b. On Editorial/Adv Boards 284 (478)

c. Office holders In process: not to be reported for FY02

2005 Goal

to be determined

Free Percent

ISU Performance Indicators: 2000-2005 Strategic Plan

BOR# MGT# ISU# Performance Indicator

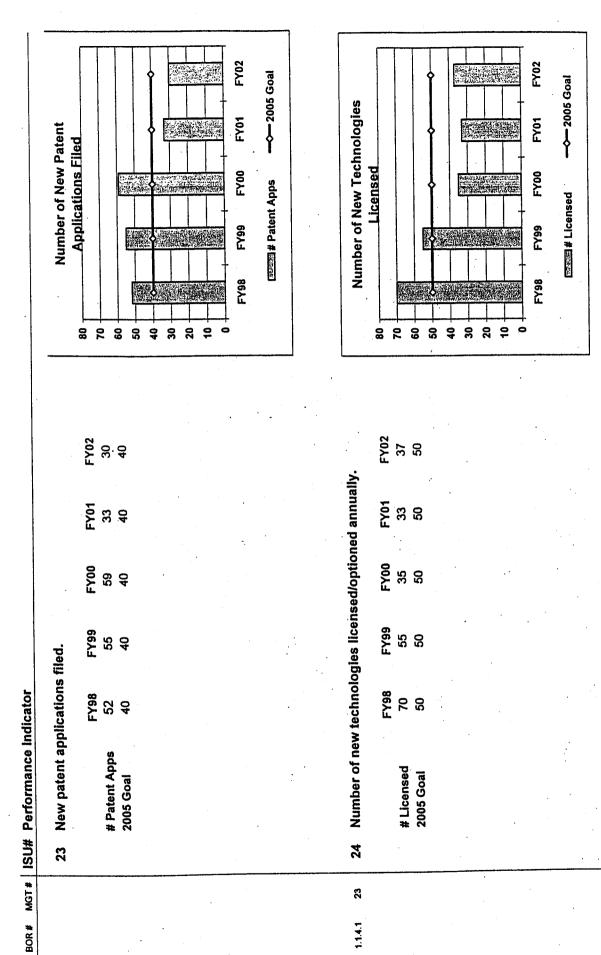
Percent Faculty Published During the	100% Last Three Years	%08 %08	20%	97-98 98-99 99-00 00-01* 01-02		Percent Faculty as P.I. or Co-P.I.	60% 40% 20% FY98 FY99 FY00 FY01 FY02
<u> </u>					<b></b>		
Je		01-02	90.0% figure			ipal or	FY02 57% 67%
ble faculty with at least one	med in the	00-01* 83.2%	90.0% Ilculate this			are princi ng externa	FY01 57% 67%
culty with	, or perfor	99-00 88.4%	90.0% s used to ca			aculty who ts receivin	FY00 57% 67%
-eligible fa	, exhibited	98-99 86.8%	90.0% odology was			-eligible fa for projec	FY99 59% 67%
red/tenure	published, ır year)	97-98 87.0%	90.0% 31 new meth			red/tenure /estigators ding	FY98 59% 67%
Percent of tenured/tenure-eligil	scholarly work published, exhibited, or performed in the last three years.  (based on calendar year)	Percent	<b>2005 Goal</b> 90.0% 90.0% 90.0% 90.0% 90.0% 90.0 90.0			Percent of tenured/tenure-eligible faculty who are principal or co-principal investigators for projects receiving external sponsored funding	Percent 2005 Goal
- 6						20	
17			•			8	
1.1.4.1.						and 1.1.4.2	

চ্ছন্ত Dollars

ISU Performance Indicators: 2000-2005 Strategic Plan

	Sponsored Funding Per Year	<b>*</b>		FY98 FY99 FY00 FY01 FY02		Sponsored Funding Per FTE Faculty	<b>\$</b>	\$80,000 \$40,000 \$0 FY98 FY99 FY00 FY01 FY02
		FY02 \$225.4 \$250.0					FY02 \$166,767 \$200,000	·
		FY01 \$217.7 \$250.0			•		FY01 \$158,097 \$200,000	
	funding.	FY00 \$211.2 \$250.0	•	• •	. '	FTE faculty.	FY00 \$153,500 \$200,000	
		FY99 \$199.2 \$250.0					FY99 \$143,000 \$200,000	
Indicator	external spo	FY98 \$156.2 \$250.0				nsored fundi	\$111,100 \$200,000	
Performance Indicator	Total annual external sponsored	Millions 2005 Goal				External sponsored funding per	Dollars 2005 Goal	
#NSI	21					22		
MGT #	18					21		
BOR #	1.1.4.2					1.1.4.2		

G.D. 3b Attachment A Page 19



ISU Performance Indicators: 2000-2005 Strategic Plan

	Number of Licenses/Options		50 100 50 FY98 FY99 FY00 FY01 FY02	Emption # Licenses —◆—2005 Goal	Number of Extension Clients Served	800,000			FY98 FY99 FY00 FY01 FY02 (1885) Clients served	
			• •		•			:	•	•
		FY02 297 250				FY02 665,354 800,000	•			,
		FY01 216 250				FY01 657,316 800,000				
	cuted.	FY00 230 250				FY00 727,370 800,000	* • • • • • • • • • • • • • • • • • • •			
	ptions exe	<b>FY99</b> 332 250			nts served	FY99 499,537 800,000				
dicator	ises and o	FY98 198 250			nsion clie	FY98 468,043 800,000				
ISU# Performance Indicator	Number of licenses and options executed.	# Licenses 2005 Goal			Number of extension clients se	Clients served 2005 Goal				
	25				76					
BOR # MGT #					1.14.3 29			. •		

ISU Performance Indicators: 2000-2005 Strategic Plan

	Fall Enrollment - Credit Registrations	000'5	6,000	2,000
	strations.	FY02*	5,298	5,950
	ourse regis	FY01	2,050	5,950
	credit c	FY00	4,734	5,950
	education: credit course registrations.	FY99	3,333	5,950
HUICALOI	continuing	FY98	2,652	5,950
BOK # MGI # 130# Periorillarice Indicator	27 Distance and continuing		Credit	2005 Goal
BOK * WG *				

4,000 3,000 2,000

> \*this does not include an additional 9,369 enrollments in evening and weekend courses



FY02\*

FY01

FY00

FY99

FY98

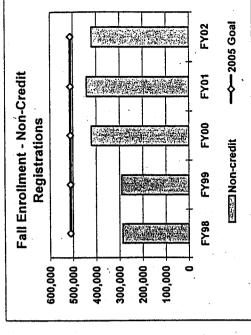
1,000

→ 2005 Goal

FEET Credit

non credit course registrations.
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78
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		i		i	
	FY98	FY99	FY00	. FY01	FY02
يب	286,482	289,729	420,380	442,121	419,378
2005 Goal	512,000	512,000	512,000	512,000	512,000



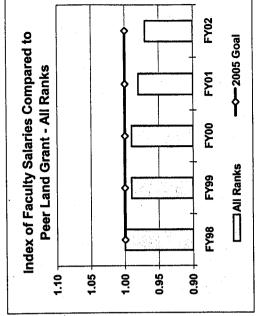
ISU Performance Indicators: 2000-2005 Strategic Plan

	Gift Income	\$100 \$	\$20 +	Giff Income → 2005 Goal	Alumni Giving Rate	25%	6% FY01 FY02
	,						
		<b>FY02</b> \$66.0 \$100.0			State		
	ity by the	<b>FY01</b> \$70.1 \$100.0			the lowa		
	te Univers	<b>FY00</b> \$112.5 \$100.0			ade gifts to owa State I		
	of lowa Sta Indation	<b>FY99</b> \$108.6 \$100.0			nni who me support Ic	<b>FY02</b> 13.7% 20%	
dicator	on behalf o ersity Fou	<b>FY98</b> \$89.0 \$100.0		•	living alum ndation to	FY01 11.7% 20%	•
MGT# ISU# Performance Indicator	Dollars raised on behalf of lowa State University by the lowa State University Foundation	In millions Gift Income 2005 Goal			Percentage of living alumni who made gifts to the lowa State University Foundation to support lowa State University	Percent 2005 Goal	
#nsı	29		· ·		30		
l.	83						
BOR#	1.2.1.4						

ISU Performance Indicators: 2000-2005 Strategic Plan

BOR# MGT# ISU# Performance Indicator

	97-98	66-86	00-66	00-04	01-02	
Professor	\$77,021	\$79,406	\$83,180	\$85,702	\$88,196	
Assoc. Prof.	\$56,981	\$59,425	\$62,131	\$63,442	\$65,771	
Assist. Prof.	\$46,416	\$47,877	\$50,744	\$53,293	\$54,973	L
Index of Average ISU Faculty Salaries Compared to	age ISU Fac	culty Salar	ies Compa	ared to		
Peer Land Grant Universities	ant Univers	ines		;	1	
	FY98	FY99	FY00	FY01	FY02	
Professor	1.00	0.99	0.98	0.97	96.0	
Assoc. Prof.	1.01	1.00	1.00	0.98	0.98	
Assist. Prof.	0.97	0.97	0.99	0.98	0.97	
All Ranks	1.00	0.99	0.99	0.98	0.97	
2005 Goal	1,00	1.00	1.00	1.00	1.00	



# **IOWA STATE UNIVERSITY**

## 2001-2002 Strategic Plan Progress Report

November 2002

### Introduction

"Pursuing Excellence as Iowa's Engaged Land-Grant University" is the focus of Iowa State University's 2000-2005 strategic plan. Iowa State is committed to enhancing *Learning* through exceptional learner-centered teaching, services, and enrichment opportunities; promoting *Discovery* and innovation characterized by preeminent scholarship, including increasingly interdisciplinary and collaborative activities; substantial *Engagement* with key constituents through synergistic sharing and partnership of knowledge and expertise to address needs of communities and society; and the *integration* of these three goals in campus initiatives. By pursuing and achieving excellence, Iowa State is making progress toward its aspiration of becoming the best university in the nation in fulfilling its land-grant mission.

Iowa State's strategic plan for 2000-2005 also reflects expectations outlined in the Board of Regents', State of Iowa strategic plan, and its four key result areas of quality, access, diversity, and accountability. Progress made in fiscal year 2002 (FY 2002), the second year of Iowa State's third, five-year strategic plan, is described in the following report including significant changes in the university's budget, performance measures, and selected highlights for each of the three goals.

## State Support for Iowa State University

With strong support from Iowa's state government, from the Board of Regents, State of Iowa, and from the university's many constituents, Iowa State has made significant and regular progress toward the aspiration of becoming the best university in the nation in fulfilling its land-grant mission. However, major financial problems for the State of Iowa resulted in significant reductions in the university's state appropriation that slowed progress in FY 2002.

The State of Iowa reduced Iowa State University's appropriation by \$32.1 million in FY 2002 at the same time that the university enrolled a record number of students - 27,823 students in fall 2001, 978 more than in the previous fall. FY 2002 budget reductions included a \$15.8 million appropriation reduction at the year's onset and two mid year deappropriations of \$11.4 million and \$4.9 million.

New tuition revenue was not sufficient to offset unprecedented reductions in the state's support for higher education. Because of this, the university was forced to reduce the budgets of units throughout the university and found it necessary to:

- Eliminate 200 FTE General Fund positions:
  - 70 faculty positions,
  - 63 P&S positions,
  - 37 Merit staff positions,
  - 30 Graduate assistant positions.
- Close the office of Vice President for External Affairs.
- Eliminate Associate Deans in Education and Veterinary Medicine.

- Combine the positions of Associate Dean of Students with Director of Minority Student Affairs.
- Reorganize the biological sciences and, as a result, restructure curricula and the administration of several departments.
- Eliminate 4 degree programs:

Organizational learning and human resource development (MS, PhD),

Community health education (BS),

Engineering science (BS),

Engineering applications (BS).

Merge departments for administrative savings:

Landscape architecture with community and regional planning,

Animal ecology with forestry.

- Reduce funds for building repairs and maintenance even further despite over \$60 million in deferred maintenance.
- Reduce funds for faculty travel to professional conferences for presenting research findings.
- Cut funds for professional development for faculty and staff.
- Reduce research and other activities that foster economic development in Iowa.

Significant consequences of the budget reductions included:

- Larger classes. Between Fall 1996 and Fall 2001, the number of student credit hours taught
  in classes of 50 to 99 has increased by 43% and the number of student credit hours taught in
  classes of 100 or more students has increased by 37%, resulting in less personal attention for
  students.
- A ratio of FTE students to FTE tenured/tenure eligible faculty that continues to increase and is expected to reach an all time high of 19.5:1. Professors now have less time to devote to each student.
- Reduced ability to respond to student needs in a timely manner because of staff reductions in student affairs, administrative offices, and non-academic areas.
- Increased tuition.
- A one-year student persistence rate that is beginning to decline somewhat from a high of 85.1% for students entering in fall 1999 to 83.4% for student entering in fall 2001 likely resulting from loss of faculty and staff positions and increasing costs.
- Reduction in the university's ability to attract and retain faculty due to declining faculty salaries and reduced levels of financial support for instruction, research, and outreach.
- Increased fees to University Extension clients.

While the university community has worked hard to continue improving program quality in the midst of unprecedented budget cuts, these efforts cannot be sustained without rebuilding revenues. Despite these challenges, Iowa State's faculty, staff, and students achieved excellence in many important ways.

## Goal 1. Learning

Iowa State University is committed to enhancing *Learning* through exceptional learner-centered teaching, services, and enrichment opportunities.

### **Measures**

Enrollment. Iowa State's enrollment set a new record of 27,823 in fall 2001 indicating strong demand for its offerings. The number and percent of non-resident U.S. citizens who enrolled also set a new record of 5,227 (18.8%). The total number of international students enrolled increased to 2,572 although this group constitutes a slightly smaller percent (9.2%) of the total student body each year.

**Diversity.** A record number of minority students enrolled in fall 2001 (2,039 students, 7.3% of total enrollment). Tenured and tenure/eligible faculty who are part of an ethnic minority group grew to 205 (14.7%) while the number of female tenured/tenure eligible faculty remained stable at 361 (25.9%). The number of staff members who are part of an ethnic minority group grew some to 184 (7.9%).

Graduation rate. Iowa State's six-year graduation rate reached a record high of 65.3% in FY'02. The six-year graduation rate for minority students decreased from a high of 51.3% two years ago, although the percent of those who graduated is still 10 percentage points higher than five years ago. The number of Iowa State graduates employed or continuing their education shortly after graduation remains high at 93.7% in FY'02.

Learning communities. Participation in learning communities grew to an all time high of 2,103 in fall 2001. The one-year persistence rate of students in a learning community consistently averages 89.8%, nearly 10 percentage points higher than for students not in a learning community. The two-year and three-year persistence rates show an even larger differential of approximately 12%. Learning community participants also report statistically significant higher number of hours studying and connecting with advisors and faculty members, more time in community service and leadership activities, and higher levels of academic success and satisfaction with their educational experience than students who didn't participate in learning communities. U.S. News and World Report recently ranked Iowa State University as having one of the top five learning community programs in the nation.

**Top programs.** Several academic programs were recognized by national surveys or professional publications as being in the top 25 in the nation: Agriculture & Biosystems Engineering, Agriculture Education & Studies, Analytical Chemistry graduate program, Animal Science, Architecture, Civil & Construction Engineering, Educational Leadership & Policy Studies, Food Science & Human Nutrition, Interior Design, Sociology, and Statistics.

**National Survey of Student Engagement (NSSE).** NSSE measures student engagement activities related to learning and personal development. Fall 2001 survey results show some improvement over fall 2000 with increases in the "level of academic challenge" and the

"enriching educational experience" indices. However, there was a decrease in "active collaborative learning" possibly due to the increase in class sizes.

### **Highlights**

Science Bound. Six students who participated in the ISU based Science Bound Program graduated from Iowa State University in FY 2002. Science Bound is designed to increase the involvement of minority students enrolled in Des Monies schools in math and science. Science Bound graduates earned degrees with specializations in genetics, veterinary medicine, management information systems, animal science, computer engineering, biology/Spanish, and biochemistry. Two are pursuing graduate school. With this success, leaders have begun discussions to expand the program to Marshalltown schools.

ISU Students Win NASA Competition. A fiber-fortified pizza crust developed by a group of food science and human nutrition students won first place in the national NASA Food Technology Commercial Space Center's product development competition. EZ Crust is made from okara, a high-fiber, high-protein by-product of soymilk and tofu production. The product is a creative and versatile use of a food item that is usually viewed as waste, and has applications for new foods on earth as well as in space. Competing teams designed foods or processing systems that could meet the criteria for missions to the moon and planetary outposts. Those criteria called for a product that could be made from crops grown in space, prepared easily, and eaten without producing many crumbs, and that was safe, nutritious to eat, and good tasting. Food scientists from NASA and commercial food companies evaluated the students' products.

ISU Students Win International Textile and Apparel Association Design Awards. The digital design work of two students from the College of Family and Consumer Sciences won awards at the International Textile and Apparel Association in Kansas City. Undergraduate Ashley Drahn's Butterfly won the Paris American Academy Award for Excellence in Design. Drahn received a scholarship, including shared housing, for a month-long intensive fashion course at the American Academy. Graduate student Jihyun Kim took first place in the graduate design category for her Korean Traditional Bridal Gown: Hwal-Ot. Drahn and Kim designed their garments as part of Jean Parsons' and J.R. Campbell's experimental digital textile and apparel class.

ISU Student One of Nine Student Composers to Win Broadcast Music Incorporated (BMI) Competition. Jonathan Saggau combined his strong interest in physics with his love of music in an award winning musical composition, *Now I am Become Death, Destroyer of Worlds.* This composition for orchestra was written by Saggau while an ISU undergraduate and earned him one of nine Student Composer Awards in the 49th Annual BMI competition this past year. The BMI competition recognizes superior creative talent and awards winners with scholarship grants for their musical education. The title of Saggau's award-winning work was based on a quote from Robert Oppenheimer, one of the architects of the atomic bomb. "Oppenheimer was torn between building this destructive weapon and working on a physics problem," Saggau

said. "This piece reflects some of Oppenheimer's 'should I or shouldn't I' continue to work on this project." Saggau depicts several aspects of the Manhattan Project in his composition from the moments the idea formed in Oppenheimer's mind to the first test and the ultimate use of the weapon on the Japanese cities of Hiroshima and Nagasaki. Saggau is currently working on a Master of Music degree in composition at Boston's New England Conservatory of Music.

Laptop lease program puts powerful wireless laptop computers into the hands of College of Design students providing access to both state-of-the-art portable computing and affordable access to expensive graphics software. This program, recently approved by Board of Regents, State of Iowa, allows full integration of this technology in an instructional environment where course materials and assignments are being transformed and where the power of the computer is being harnessed in a much more effective way advancing the quality of student learning and work.

TechCo – Technology Collaborative for Simultaneous Renewal in Teacher Education – allows pre-service teachers to complete a technology infused program from basic liberal arts courses to student teaching preparing them to assume leadership roles in integrating technology into K-12 classrooms. TechCo, funded by the United States Department of Education, also provides on-going support for university faculty and K-12 teachers as well as one-on-one mentoring for faculty and teachers who are integrating innovative uses of technology into their teaching. TechCo demonstrates appropriate models for integrating technology with K-12 instruction.

Math 150 (Discrete Mathematics for Business and Social Sciences) is being redesigned by faculty from the College of Business and the Department of Mathematics with the help of a grant from the PEW Grant Program in Course Redesign. Math 150 is the largest enrollment course on campus, serving as the entry level to the mathematics curriculum and as a foundation course for many other disciplines including business and social sciences majors. An interdisciplinary team is replacing the traditional lecture/recitation format with a self-paced, web-based course supplemented with significant on-line help and face-to-face encounters between instructional personnel and students.

Support for Learning and Discovery. The Iowa State University Foundation secured private gifts consistent with the University's fundraising priorities and managed those funds for its benefit. FY 2002 gift income totaled \$66 million including progress on the "Investing in People" campaign begun in October 2001, a two-year effort to raise \$50 million in new endowments for student scholarships and faculty positions. FY 2002 progress included:

- Gifts totaling nearly \$2.5 million to create new endowments that will provide support in perpetuity for exceptional faculty members.
- Scholarship support of ~\$8 million provided to ISU students through outright gifts and endowment earnings from the ISU Foundation.
- Gifts totaling approximately \$1.6 million for endowed graduate fellowships.

## Goal 2. Discovery

Iowa State University is committed to promoting *Discovery* and innovation characterized by preeminent scholarship, including increasingly interdisciplinary and collaborative activities.

### **Measures**

**University ranking.** Iowa State University is classified by the Carnegie Foundation for the Advancement of Teaching as a Doctoral/Research University – Extensive. Iowa State is also a member of the prestigious Association of American Universities.

**Sponsored funding and scholarship.** Sponsored funding increased 50% over the last five years and in FY 2002 reached an all time high of \$225.4 million, \$166,767 per FTE faculty. Eighty four percent of faculty published at least one scholarly work during the last three years and 57% were principal or co-principal investigators for sponsored funding awards.

**Applied science.** Iowa State University continues to rank among the nation's leading universities in intellectual property activity by the Association of University Technology Managers. Iowa State ranked 23<sup>rd</sup> in the number of patents earned, 30<sup>th</sup> in invention disclosures received, 3<sup>rd</sup> in licenses and options yielding income, and 2<sup>nd</sup> in licenses and options executed in FY 2002. Iowa State received another R&D 100 Award in FY 2002 bringing the total of these awards received since 1984 by Iowa State University faculty to 24, placing it second in the nation in what is described as the "Academy Award of Applied Science."

## **Highlights**

**National security.** Iowa State launched several new initiatives in partnership with state and federal agencies to improve national security including a program to train Iowa National guard personnel using the Virtual Reality Applications Center; centers for food safety and security, infectious disease, and public health; and programs in information security and forensics.

The College of Engineering is leading an interdisciplinary research and graduate education program in **Information Assurance**. One of only six programs nationwide, Iowa State's Information Systems Security Laboratory is a National Security Agency Center of Excellence and used by students to research and practice defensive electronic warfare, honing their skills for real-world encounters.

The Midwest Forensics Resource Center (MFRC) is a partnership of 8 crime laboratories, 4 federal agencies, the Ames Laboratory, and IPRT. This initiative grew out of forensics R&D projects that caught the attention of regional and state groups, which concluded that the region's critical, overlapping forensics demands should be led by an ISU-based center. By regionalizing, the partnership can more efficiently meet training, research, casework, and educational needs.

The Center for Food Safety and Food Security brings together diverse research, education and outreach components of food safety/security into one center for the purposes of efficient teamwork that is well positioned among government, industry, and

producers. The Center is bringing together research expertise from units across the university to coordinating and integrating their research activities towards high priority state and national issues. The center is also providing research-based, unbiased information on food safety and quality needed by consumers, educators, and students. The goal of the Food Safety Project is to develop web-based educational materials that give the public the tools they need to minimize their risk of food borne illness. Project successes include:

- More than 800,000 page views in 2001
- More than 4 million hits from more than 120 countries
- More than 84,000 scores recorded for the Web-based food safety lessons
- More than 2,192 teachers downloaded the on-line teacher's lesson plan to facilitate the use of the Web-based food safety lessons in their classrooms
- Municipalities, such as the City of Toronto, use lessons on Web site to educate employees.
- Awards from U.S. News Online, US News and World Reports, Tufts Nutrition Navigator, many others. Recommended as one of the top seven of Food Safety Sites by Restaurant Hospitality.

**Biorenewable resources.** Iowa State is rapidly becoming one of the nation's leaders in developing biorenewable resources.

Twelve **Engineering** faculty from five departments are investigating ways to convert renewable resources such as plants into bio-products and bio-energy. Specific examples of their work include plastics made from soybeans, building materials made from corn stalks, and fuels made from switchgrass. Bio-based product research and expenditures at Iowa State have topped \$3.3 million. In addition, more than \$1 million has been expended on curriculum and program development, including NSF funds to add four experimental modules to the current set of biotechnology experiments for undergraduate and graduate chemical engineering students.

ISU's **Biorenewable Resources Consortium (BRC)** is a partnership directed by the Ames Laboratory with the Iowa Agriculture and Home Economics Experiment Station and the Plant Sciences Institute. The BRC assembles and coordinates cutting-edge, multidisciplinary research teams charged to find new uses for agricultural products, pursuing technologies leading to new chemical products and materials, alternate energy sources, and new crops.

Faculty members at the Center for Crop Utilization Research keep uncovering new ways to use corn and soybeans. Scientists are working with a company to develop candles and other wax products from soybean oil, which could replace paraffin, a petroleum-based product. Faculty members are also working to find the molecular mechanisms in the corn plant that produce starch. New discoveries could allow producers to increase the value of their crops and the utility of corn for consumers. ISU's degradable plastics program developed a highway lane marker that was field tested by the Iowa Department of

Transportation. The lane markers are an environmentally friendly, disposable alternative that eliminates the labor-intensive need to remove fixed markers before plowing snow.

Human Health Research. National Institute of Health funded research projects conducted by faculty in the Department of Health and Human Performance focus on a variety of health and well being concerns shared by elderly people. The influenza project is testing the effects of exercise and diet on the immune system in older adults. The Parkinson's disease study is trying to gain new understanding of how the disease limits motor skills such as grasping and reaching and what can be done to improve these functions. The large multidisciplinary grant to establish a center to study human diet is monumental for Iowa State. The researchers involved will examine topics such as the effects of supplements, plant compounds, and extracts on human health. They will also measure the effectiveness of these on cholesterol and estrogen development and the differences that they make on humans' well being throughout their life spans.

Nondestructive Evaluation. The Center for Nondestructive Evaluation continues its efforts to develop and apply techniques for the detection of flaws or defects in materials and structures. This IPRT center is led by engineering faculty and has recently obtained an additional \$2 million from NASA for a "smart materials" initiative. Smart materials can sense their environment and adapt to changing circumstances thereby improving the reliability of systems in which they are used. The center provides a collaborative environment for applied and basic research for faculty, graduate students, and undergraduates as well as being engaged in various collaborative and professional development activities with industry and government agencies. The center is also developing a distance education program in nondestructive evaluation. The highly interdisciplinary activities of this field are central to the safety of many major structural systems found in the transportation, energy, chemical and other industries, including aircraft, nuclear power plants and refineries. However, the great breadth and specialized nature of the field has precluded the development of a solid academic base. The university, through CNDE and working closely with the IPRT and the College of Engineering, is arguably the national if not international leader in this area of technology. In response to training needs voiced by industry, a set of distance education courses are being assembled with the goal of establishing a Master's Degree program and offering a series of specialized short courses. The initial course, an Overview of NDE, will be presented for the first time in the fall semester, offered both through the ISU distance education program and the National Technical University. These courses are offering new features in education, namely the use of tutorial simulators. These simulators are based on rigorous physics models, in our case of the inspection process, including x-ray, ultrasonic and eddy current methods. As such, they offer a unique means to present complex conceptual ideas in an intuitive manner. The same tutorial simulators are further used as tools for a student to calculate realistic results as applied to complex industrial examples. This application of robust simulators in a classroom environment is emerging in a number of areas and when coupled with industrial examples provides a new means to provide a student with technically sophisticated materials with real industrial relevance.

### Goal 3. Engagement

As the nation's first land grant institution, Iowa State University is committed to *Engagement* with key constituents through synergistic sharing and partnership of knowledge and expertise to address needs of communities and society.

#### **Measures**

Iowa State University Extension connected with 665 thousand people this year, over one-fifth of Iowa's citizenry through courses, conferences, workshops, seminars, and consultations. Enrollment in distance education courses grew to 5,298 in FY 2002 with an additional 9,369 registrations in evening and weekend courses. There was a decline in the number of registrations in non-credit courses. Six new companies began operations in the ISU Research Park bringing to 120 the number of companies located in or affiliated with the park.

### **Highlights**

**Iowa Small Business Development Center (SBDC).** The SBDC is the largest outreach component of the College of Business. During the past year, the SBDC helped 12,211 clients, representing all of Iowa's 99 counties, with 95,582 hours of service. The SBDC continues to offer programs such as the Iowa Business Network, the Iowa Targeted Small Business Program, and the Iowa Technology Showcase in order to link Iowa businesses with the latest in information, marketing assistance, and technology innovation. SBDC clients generated \$32.1 million in incremental sales and 765 new jobs in FY 2002.

Business Analysis Laboratory. The Business Analysis Laboratory, funded primarily by 3M Corporation, continues to provide an extraordinary learning environment that combines learning, discovery, and engagement activities. Approximately 60 students per year (graduate and undergraduate) from the Colleges of Business, Education, and Engineering worked in conjunction with faculty and top 3M executives to address real business and technology-related problems in a team environment. This spring, Lockheed Corporation joined in the Business Analysis Laboratory.

Deere Institute. John Deere & Company is funding a one million dollar educational program called the Deere Institute through Iowa State Extension to help Deere employees better understand their company's role in agriculture. This institute is offered to Deere employees at the Waterloo plant where ~4,000 employees will be trained. The institute is now being prepared for delivery to Deere plants nation wide. Deere Institute is one of fourteen that comprise the ISU Academy organized by Iowa State Extension to offer training for certificate and/or to meet other professional requirements.

**Iowa Manufacturing Extension Partnership (IMEP)** developed the Lean Program to introduce Iowa manufacturers to new technologies and management methods that can improve competitiveness. The Lean Program provides trained delivery professionals, instructional materials, publicity, and evaluation. One hundred companies have paid \$1.5 million for 348 lean training events over the last 18 months. IMEP has merged its Lean Program with Iowa

Business Council's AMRCC Lean initiative. The objective has been to broaden the reach and exchange of Lean practices within Iowa's manufacturing community. This AMRCC/IMEP Lean Team has already changed Iowa manufacturers productivity and competitiveness. The Program has also stimulated a new level of cooperation between IMEP and the Iowa Business Council.

Athletics. Iowa State University also reached out to citizens of Iowa and the nation is through its many athletic events including the football team's appearance at the Independence Bowl, by hosting the NCAA women's basketball regional tournament, and through outstanding athletes like Cael Sanderson who ended his collegiate career in FY 2002 as the only wrestler in NCAA history to be undefeated (150-0) and win four national titles, leading Iowa State to a second-place national finish. Iowa State's student-athletes, coaches, and staff also participated in over 40 community and state service projects this past year, including Special Olympics, the Governor's Learn to Read program in elementary schools, visits to area schools and hospitals, and hosting of special events for 4-H and University Extension offices. Cyclone student-athletes for the fifth straight year participated in Read Across America via the state's fiber optics system, reading to more than 200 elementary schools statewide.

### **Looking to the Future**

Iowans have depended on Iowa State University since its beginnings. Over the years tens of thousands of Iowans have earned degrees from Iowa State and millions have benefited from the University's commitment to "Science with Practice." It is clear that Iowans will continue to look to Iowa State University to provide access and opportunity in higher education, improve the quality of life in our communities, and assist with economic development.

Iowa State University is committed to academic excellence, to fulfilling the goals of its strategic plan, and to becoming the best university in the nation in fulfilling its land-grant mission. To achieve the overarching goal of excellence, the university will focus on four priorities:

- Increase the number of academic programs that are counted among the very best in the field,
- Ensure that we provide a top quality education to our students,
- Increase our connectivity to the people we serve the citizens of Iowa, and
- Enhance efforts to foster diversity and ensure an inviting and welcoming climate that supports success for all members of the university community.

Realization of this commitment to excellence is dependant on strong support from the State of Iowa and continued partnership with the friends of Iowa State University. It is also dependent on careful stewardship of the existing resources. Last year, the university initiated a process to identify several high potential academic initiatives to pursue along with a continued commitment to the Plant Sciences Institute. Of thirty-one pre-proposals, six were recommended for funding. In spite of formidable budget challenges, the university reallocated enough seed money to advance these important initiatives because of the potential each has to contribute to society. All six initiatives build on areas of strength bringing greater coordination and focus.

The Food Safety and Food Security Initiative will bring greater coordination to a number of existing, strong Iowa State programs. It will serve farmers, producers, processors, and consumers focusing on areas such as food production, food service and retail sales, international food security, public policy and communication, food-borne infectious diseases, and risk analysis.

The **Combinatorial Discovery Initiative** will expand a new analytical method to discover and test new materials for a wide range of uses, particularly high-performance nanomaterials, biomaterials, and catalysts.

The **Human Computer Interaction Initiative** will use the university's Virtual Reality Applications Center to stay at the forefront of technological trends in computers and computing in order to develop more useful interfaces for the people who use them.

The **Bioeconomy Initiative** will advance the use of plants and agricultural products to produce chemicals, fuels, materials, and energy. It will be closely aligned with the Ames Laboratory and the Plant Science Institute.

The **Information Infrastructure Initiative** will strengthen information technology research and education at Iowa State by consolidating several existing activities and creating multidisciplinary teams in areas such as agricultural engineering, smart transportation systems, air traffic control, genetic engineering, bioinformatics, and financial systems.

The Center for Integrated Animal Genomics will focus on identifying and understanding the function and control of animal genes, developing new genetic technologies for improving the health of agriculturally important animals, and understanding the genetics of disease resistance to promote safer animal-based food products.